



PRESERVING KNOWLEDGE CONNECTING PEOPLE INSPIRING INNOVATION

Search by text or ID

Search

PERFORMANCE STUDIES ON ANIMALS EXPOSED TO EXTERNAL RADIATION. I. SOME EFFECTS OF SUBLETHAL TOTAL BODY IRRADIATION UPON THE PERFORMANCE OF EXHAUSTIVE SWIMMING TESTS.

Miscellaneous Citation | **Accession Number:** AD0493448 | [Open PDF](#)

Abstract:

The ability of rats to perform standardized exhaustive swimming tests was decreased greatly by total body irradiation with 600r of x-rays. Animals which survived nine weeks or longer after irradiation regained their initial performance ability. The stress of repeated physical performance caused a 50 percent mortality among irradiated swimmers while 100 percent of irradiated non-swimming animals survived. Some correlative alternations in body weight and test performance are analyzed. Author

[Read Less](#)

Author(s): Kimeldorf, D. J.; Jones, D. C.; Gonzalez, T. A.; Lee, J. L.; Fishler, M. C.
Author Organization(s): NAVAL RADIOLOGICAL DEFENSE LAB SAN FRANCISCO CA
Descriptive Note: Interim rept.,
Pagination: 21

SECURITY MARKINGS

Distribution:
APPROVED FOR PUBLIC RELEASE

Subject Terms

[Collapse](#) ^

Descriptor(s): *WHOLE BODY IRRADIATION, RATS, SWIMMING, RADIATION EFFECTS, PERFORMANCE(HUMAN), EXERCISE(PHYSIOLOG MORTALITY RATE, BODY WEIGHT, SUBLETHAL DOSAGE
Field(s)/Group(s): Radiobiology

Report Date: 1949 Jul 01

Defense Technical Information Center

Mission	Privacy Policy	Open Government
Strategic Plan	Privacy Policy Program	Information Quality
USD(R&E)	FOIA	USA.gov
Legal	No FEAR Act	Information Analysis Center

(800) 225-3842 | [Email Us](#) | [Submit Feedback](#)



NOTICE: The appearance of hyperlinks does not constitute endorsement by the DTIC of non-U.S. Government sites or the information, products, or services contained therein. Although the DTIC may or may not use these sites as additional distribution channels for Department of Defense information, it does not exercise editorial control over all of the information that you may find at these locations. Such hyperlinks are provided consistent with the stated purpose of this website. The DTIC bears no responsibility for the accuracy, legality or content of

the external website or for that of subsequent links. Contact the external website for answers to questions regarding its content. Please let us know about existing external links which you believe are inappropriate.